

C.OC. #37

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

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X 924-9290

FAX 906-9210

(503) 906-9200 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M105037

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PHONE: 907-770-09	74 FAX: 7	70-0	5975	5	P.O. N		R: 🕽	-			-				_ 5		3	2 1	< 1	
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 05/28/01 12:40. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson

Environmental Group Leader

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Work Orders included in this report:

M105037



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported: 10/25/01 01:45

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMRXT01SL	M105037-01	Soil	05/28/01 10:40	05/28/01 12:40
01AMRXT02SL	M105037-02	Soil	05/28/01 10:41	05/28/01 12:40

COC #37

North Creek Analytical - Mobile Lab



Anchorage, AK 99502-1116

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

> Project Manager: Anne Kranawetter 10/25/01 01:45

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilutio	n Method	Prepared	Analyzed	Batch	Notes
01AMRXT01SL (M105037-01) Soil					Sampled: 05/	28/01 Rece	eived: 05/28/	/01	
Diesel Range Hydrocarbons	995	50.0	mg/kg	1	NWTPH HCI	05/28/01	05/28/01	0105064	D-16
Surr: 1-Chlorooctadecane	114 %	50-150							
01AMRXT02SL (M105037-02) Soil					Sampled: 05/	28/01 Rece	eived: 05/28/	/01	
Diesel Range Hydrocarbons	878	50.0	mg/kg	1	NWTPH HCI	05/28/01	05/28/01	0105064	D-16
Surr: 1-Chlorooctadecane	109 %	50-150							

North Creek Analytical - Mobile Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

Reported: 10/25/01 01:45

Polychlorinated Biphenyls per EPA Method 8082 North Creek Analytical - Mobile Lab

Analyta	Result	Reporting Limit	Units	Dilution	Method	Dramarad	Analyzad	Batch	Notas
Analyte	Result	Limit	Units	Dilution	Method	Prepared	Analyzed	Ваисп	Notes
01AMRXT01SL (M105037-01) Soil					Sampled: 05/	28/01 Rece	eived: 05/28/	01	
Aroclor 1016	ND	149	ug/kg dry	1	EPA 8082	05/28/01	05/28/01	0105062	
Aroclor 1221	ND	298	"	"	"	"	"	"	
Aroclor 1232	ND	149	"	"	"	"	"	"	
Aroclor 1242	ND	149	"	"	"	"	"	"	
Aroclor 1248	ND	149	"	"	"	"	"	"	
Aroclor 1254	ND	149	"	"	"	"	"	"	
Aroclor 1260	ND	149	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	95.3 %	55-130							
Surr: Decachlorobiphenyl	116 %	55-130							
01AMRXT02SL (M105037-02) Soil					Sampled: 05/	28/01 Rece	eived: 05/28/	01	
Aroclor 1016	ND	150	ug/kg dry	1	EPA 8082	05/28/01	05/28/01	0105062	
Aroclor 1221	ND	299	"	"	"	"	"	"	
Aroclor 1232	ND	150	"	"	"	"	"	"	
Aroclor 1242	ND	150	"	"	"	"	"	"	
Aroclor 1248	ND	150	"	"	"	"	"	"	
Aroclor 1254	ND	150	"	"	"	"	"	"	
Aroclor 1260	ND	150	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	101 %	55-130							
Surr: Decachlorobiphenyl	118 %	55-130							

North Creek Analytical - Mobile Lab

Styl II



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Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

10/25/01 01:45

Physical Parameters per APHA/ASTM/EPA Methods North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMRXT01SL (M105037-01) Soil				Sampled: 05/28	8/01 Rece	ived: 05/28/0)1	
% Solids	85.7	0.0100 % by Weigh	nt 1	Gravimetric	05/28/01	05/28/01	0105063	
01AMRXT02SL (M105037-02) Soil				Sampled: 05/28	3/01 Rece	ived: 05/28/0	01	
% Solids	86.9	0.0100 % by Weigh	nt 1	Gravimetric	05/28/01	05/28/01	0105063	

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka
Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

10/25/01 01:45

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 0105064 - TPH-HCID (WA)

Blank (0105064-BLK1)			Prepared &	x Analyzed: 05/28/01	
Diesel Range Hydrocarbons	ND	50.0 mg/kg			
Surr: 1-Chlorooctadecane	21.8	"	20.0	109 50-150	

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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

10/25/01 01:45

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (0105062-BLK1)				Prepared	d & Analy	zed: 05/2	28/01			
Aroclor 1016	ND	167	ug/kg wet		-					
Aroclor 1221	ND	334	"							
Aroclor 1232	ND	167	"							
Aroclor 1242	ND	167	"							
Aroclor 1248	ND	167	"							
Aroclor 1254	ND	167	"							
Aroclor 1260	ND	167	"							
Surr: 2,4,5,6-Tetrachloro-m-xylene	74.8		"	66.7		112	55-130			
Surr: Decachlorobiphenyl	76.2		"	66.7		114	55-130			
LCS (0105062-BS1)				Prepared	d & Analy	zed: 05/2	28/01			
Aroclor 1254	408	150	ug/kg wet	333		123	55-130			
Surr: 2,4,5,6-Tetrachloro-m-xylene	75.4		"	66.7		113	55-130			
Surr: Decachlorobiphenyl	82.1		"	66.7		123	55-130			
Matrix Spike (0105062-MS1)	Sour	ce: M1050	37-01	Prepared	d & Analy	zed: 05/2	28/01			
Aroclor 1254	352	148	ug/kg dry	383	ND	91.9	55-130			
Surr: 2,4,5,6-Tetrachloro-m-xylene	75.8		"	76.6		99.0	55-130			
Surr: Decachlorobiphenyl	86.9		"	76.6		113	55-130			
Matrix Spike Dup (0105062-MSD1)	Sour	ce: M1050	37-01	Prepared	d & Analy	zed: 05/2	28/01			
Aroclor 1254	351	146	ug/kg dry	377	ND	93.1	55-130	0.284	40	
Surr: 2,4,5,6-Tetrachloro-m-xylene	77.0		"	75.5		102	55-130			
Surr: Decachlorobiphenyl	86.7		"	75.5		115	55-130			

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter 10/25/01 01:45

Notes and Definitions

D-16 Detected hydrocarbons in the diesel do not have a distinct diesel pattern and may be due to heavily weathered diesel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from:
			\\sisters\elmnt\Report\M105037 FINAL 10 25 01 0145.mdb
			Default Report (not modified)
M105037-01	NW-HCID mod	Diesel Range Hydrocarbons	D-16
M105037-01	Solids, Dry Weight		Soil batched as Other dry
M105037-02	NW-HCID mod	Diesel Range Hydrocarbons	D-16
M105037-02	Solids, Dry Weight		Soil batched as Other dry